



# **NMCI FACILITIES VTC**

18 December 2003

- ☐ **Navy PMO**
- ☐ **Navy Facilities Team**
- ☐ **USMC Facilities Team**
- ☐ **EDS Facilities Team**

## ☐ **Navy NMCI Facilities Team Briefs**

- Facilities space approval & design approval process
- HAZMAT abatement process
- Issues resolution process
- MILCON/MCON guidance

## ☐ **EDS Facilities Team Briefs**

- Infrastructure build-out process
- Major BAN/LAN partner roles, responsibilities & organization

## ☐ Government Facilities Issues

- USMC
- NAVSUP
- CNI

## ☐ EDS Facilities Issues

## ☐ Wrap-up

## ☐ List of Facilities POCs

# Navy NMCI Facilities Team Briefs

## ☐ **Identify Location and Requirements**

- EDS identify need (EDS in the brief refers to EDS & its' subcontractors)
- Station proposal

## ☐ **Offer and Acceptance**

- Offer by letter to EDS
- Acceptance by letter to Station

## ☐ **Design**

## ☐ **Periodic Submissions**

## ☐ **Fire Protection Approval by Engineering Field Division/Activity**

## ☐ **Build-out Site**

- Final walkthrough
- Testing and commissioning
- As-built drawings
- COMSEC certification

## ☐ Identify Need

- Gov't identifies Stations to receive NMCI services
- EDS identifies phasing of buildings
- Gov't provides drawings of buildings, if available
- EDS visits site to understand physical constraints

## ☐ Identify Location and Requirements

- EDS assesses existing closets for sufficient space
- EDS requests space via e-mail
- Conceptual design submitted by EDS, reviewed by Station
- Gov't and EDS ensure sufficient power to building
- Gov't discusses requirements with building occupants
- Gov't approves space request
- ROICC conducts preconstruction conference with EDS

## ☐ Design

- EDS submits drawings to ROICC
- Gov't reviews for code compliance, compatibility with existing IT infrastructure, life safety and fire protection
- Gov't provides design comments
- EDS provides stamped final drawings reflecting Gov't comments (electrical drawings stamped by Registered Electrical Engineer, cable runs stamped by RCCD, etc.)
- EDS provides specific schedule showing when each building will be affected

## ☐ Buildout

- EDS constructs
- Gov't conducts periodic safety reviews
- Gov't conducts final walkthrough
- EDS provides as-built drawings



## ☐ **Select Cable Route**

- Gov't identifies Stations to receive NMCI services
- EDS identifies phasing of buildings
- EDS visits site to understand physical constraints
- Gov't provides drawings of buildings (if available), identify buildings of historic concern, and provide existing HAZMAT reports

## ☐ **Route Design**

- EDS submits conceptual design avoiding most HAZMAT to ROICC
- Gov't processes space request and identify spaces requiring HAZMAT remediation
- Gov't informs building tenants that EDS will be working in their areas and arrange for access
- EDS resolves Gov't comments on conceptual design

## ☐ Preconstruction

- Gov't identify equipment laydown areas (if requested by EDS)
- EDS provides specific schedule showing when each building will be affected

## ☐ Construction

- Gov't informs building tenants and arranges for access to meet EDS schedule
- EDS conducts additional HAZMAT testing, as necessary
- Gov't or EDS conducts HAZMAT remediation in accordance with contract modification
- EDS installs cables, etc.
- Gov't conducts periodic safety reviews
- Gov't conducts final walkthrough
- EDS provides as-built drawings

## ❑ Select Cable Route

- Gov't identifies Stations to receive NMCI services
- Gov't provides drawings of existing communications infrastructure
- EDS visits site to understand physical constraints
- EDS identifies phasing of areas of the Base
- Gov't provides Station requirements for backfill, repairing roadways, etc.
- Gov't provides maps showing areas of environmental, natural, or cultural concern

## ❑ Route Design

- EDS submits conceptual design avoiding most HAZMAT to ROICC
- Gov't processes space request and returns to EDS
- Gov't identifies manholes with known contaminated water
- EDS resolves Gov't comments on conceptual design and submits stamped drawings to ROICC

## ☐ Preconstruction

- Gov't identifies equipment laydown areas (if requested by EDS)
- EDS provides specific schedule to the ROICC showing when access to manholes, road closures, etc. are required

## ☐ Construction

- Gov't pumps out manholes with contaminated water, if required
- EDS pumps out manholes with non-contaminated water
- EDS installs cables including trenching, road work, backfill, compaction, etc. as required
- ROICC conducts regular meetings to review schedules and resolve issues
- Gov't conducts periodic safety reviews
- Gov't conducts final walkthrough
- EDS provides as-built drawings

❑ <http://www.efdswww.navfac.navy.mil/05/05I/NMCI.htm>, some example topics include:

- Contracting Officer's decisions
  - Turnover of existing infrastructure
  - Non-Legacy infrastructure
  - Painting of conduit
- Contract modifications
  - HAZMAT
  - Davis-Bacon Act
- Manuals, handbooks and plans
  - NMCI Operations Manual
  - EDS Facilities Handbook
  - Communications process
- Facilities procedures
  - IDF/MDF space identification
  - OSP and ISP procedures

❑ **Questions?**

# HAZMAT Abatement Process

## ❑ Contract Requirements

- Contract Mod. P00073 of 16 Jul 03 applies:
  - Server Farms, Network Operation Centers (NOCs), Admin, and Warehouse Spaces: Gov't responsibility to fund and perform the required abatement.
  - Points of Presence (POPs), Communication Closets, and Cable Plant Installation: Gov't responsibility to fund; Gov't has option to perform work with PWC, other HAZMAT contract, or contract with EDS.
- Website Address:  
<http://www.efdsw.navfac.navy.mil/05/05I/pdf/P73-Asbestos-Final.pdf>

## ❑ Types of HAZMAT Abatement Work

- Asbestos (IAW Fed. Regulations 29 CFR 1926.1101)
  - Class I asbestos work refers to activities involving the removal of thermal system insulation (TSI) and surfacing asbestos containing material (ACM) and potential asbestos containing material (PACM).
  - Class II asbestos work refers to activities involving the removal of ACM which is not TSI or surfacing material. This includes, but is not limited to, the removal of asbestos-containing wallboard, floor tile and sheeting, roofing and siding shingles, and construction mastics.
  - Class III asbestos work refers to repair and maintenance operations, where ACM, including TSI and surfacing ACM and PACM, is likely to be disturbed.
    - ✓ Involves drilling, cutting, abrading, sanding, chipping, breaking, or sawing of ACM such as thermal system insulation or surfacing material
    - ✓ Performed using engineering and work practice controls which minimize the exposure to employees performing the asbestos work and to bystander employees



## □ Types of HAZMAT Abatement Work

- Asbestos

- Class III asbestos - cont.

- ✓ Performed for asbestos work where “Negative Exposure Assessment” demonstrates that respirator is not required.
- ✓ Accomplished using wet (i.e. “shaving cream”) methods
- ✓ Performed using local exhaust ventilation, to the extent feasible

- Class IV asbestos work refers to maintenance and custodial activities during which employees contact, but do not disturb, ACM or PACM:

- ✓ Involves clean up of disturbance from the Class III work described above
- ✓ Performed for asbestos work where Negative Exposure Assessment demonstrates that respirator is not required.

## ☐ Types of HAZMAT Abatement Work

- Paint with Lead (PWL) IAW National Institute of Building Sciences (NIBS)
  - NIBS Level 1 PWL: Involves activities requiring a minimal amount of preparation and worker protection, because negligible amount of lead dust is generated. Procedures include:
    - ✓ Use of cleaning solution to wipe work area following disturbance
    - ✓ Rinsing with clean water
    - ✓ Wipe off of drop cloth and tools
  - NIBS Level 2 PWL: Involves activities producing a moderate amount of dust and debris, but do not require full-scale site preparation and worker protection. Procedures are similar to Level 1, but also include:
    - ✓ Moving of furniture and equipment away from work area and placing drop cloth over work area
    - ✓ Using disposable gloves, shoe coverings, and goggles for Personal Protective Equipment (PPE)
    - ✓ Rinsing with work area with a 3-bucket method

## □ Processes

- Server Farms, Network Operation Centers (NOCs), Admin, and Warehouse Spaces:
  - Gov't provides existing HAZMAT survey at Kick-off Meeting
  - EDS provides detailed plans indicating areas of ACM or PWL 30 days prior to start of construction
  - Gov't will remediate ACM and/or PWL as necessary to provide for a safe working environment

## □ Processes

- Points of Presence (POPs), Communication Closets, and Cable Plant Installation
  - Gov't provides existing HAZMAT reports
  - EDS conducts initial site visit
  - EDS notifies the PWO or Facilities Manager if ACM or PWL will be disturbed
  - EDS provides preliminary plans 30 days and final plans 14 days prior to start of work
  - EDS conducts additional spot HAZMAT testing if existing surveys are not adequate
  - EDS re-routes cable runs to avoid ACM or PWL, where practical

## □ Processes

- Points of Presence (POPs), Communication Closets, and Cable Plant Installation - Cont.
  - If Class III ACM or NIBS Level 1 or 2 PWL cannot be avoided, the Gov't has the option under the contract of:
    - ✓ Remediating the hazard using PWC or other HAZMAT contract
    - ✓ Having EDS perform the work on a reimbursable basis (using CLIN 0043s negotiated ahead of work being done)
    - ✓ Detailed Process for both options are as described at Website Address:  
[http://www.efdswww.navfac.navy.mil/05/051/pdf/NMCI\\_BAN-LAN\\_HAZMAT\\_PROCESS.pdf](http://www.efdswww.navfac.navy.mil/05/051/pdf/NMCI_BAN-LAN_HAZMAT_PROCESS.pdf)
  - If Class I or II ACM cannot be avoided, the Gov't is responsible for remediating it
  - In all cases, the Gov't provides disposal bags and disposes of the material

## ☐ Funding

- Server Farms, Network Operation Centers (NOCs), Admin, and Warehouse Spaces
  - Remains an Installation/Claimant/Region responsibility
- Points of Presence (POPs), Communication Closets, and Cable Plant Installation
  - Primarily an Installation/Claimant/Region responsibility
  - NMCI Director's Office may provide FY04 funds to Claimants and Regions based on identified needs from 11/03 PMO Data Call and based on availability of funds

## ☐ Questions?

# Issues Resolution Process

## ❑ Server Farm Issue Resolution:

- Execution Team solves day-to-day problems
  - Teams normally include: Austin construction mgr, ROICC, base facilities rep, PWC rep, with support from EDS construction mgr
- Typical sequence for issues escalation:
  - Level 1, EDS Regional construction mgr, PMO Facilities & SIL
  - Level 2, Issue Resolution Board and RIL
  - Level 3, NMCI Director's Office and EDS Senior Mgrs
- Issue Resolution Board: Weekly Wednesday conference call addresses issues at level 2 escalation
  - Board includes: EDS Facilities reps, EDS contracts, USMC PMO Facilities Team, Navy PMO Facilities Team
- Team member lists on Southwest Div website



## ☐ **BAN/LAN Issue Resolution:**

- Execution Team solves day-to-day problems
  - Teams normally include: WAM!NET Infrastructure Project Manager (IPM; formerly NCE), General Dynamics (GD) lead, ROICC, BCO/G6, Base facilities rep, building tenant liaisons
- Typical sequence for issues escalation:
  - Level 1, EDS Site Mgr, PMO Facilities, GD mgr, & SIL
  - Level 2, EDS Facilities Mgr, PMO Facilities lead, RIL, RTM, Contracts (Gov't & EDS, if a contracts issue)
  - Level 3, NMCI Director's Office and EDS Senior Mgrs
- Issue Discussion Board: Bi-weekly conference call addresses issues at level 2 escalation
- Team member lists on Southwest Div website

## ☐ **NMCI Director's Issues Resolution Website**

- <https://www.peoit-portal.navy.mil/>

## ☐ **Issues, Risks, Actions, Assumptions, Decisions (IRAAD) Database**

# Regional Issues Resolution Teams



## Northwest

Ty Wernet - RIL  
Tom Heckroth - RDM  
Rex Barfus - RTM  
Construction Manager  
Mark Billingsley - IPM  
ROICC (Site Specific)  
SIL (Site Specific)  
Regional Facilities  
NAVFAC Fire Protection  
PWO/PWC/PWD  
Ken Reynolds - PMO

Navy Regional Integration Lead = RIL  
EDS Regional Delivery Manager = RDM  
EDS Regional Transition Manager = RTM  
Regional Infrastructure Project Manager = IPM  
Regional Officer In Charge of Construction = ROICC  
Site Integration Lead = SIL  
Public Works Officer/Center/Department = PWO/PWC/PWD  
EDS Construction Mgr Divided Btwn John Poindexter & Charles Warner  
PMO Facilities = PMO

## Northeast

CAPT Kerry Nye - RIL  
Robert Pearson - RDM  
Mike Filkins - RTM  
Construction Manager  
Dennis Lutero - IPM  
ROICC (Site Specific)  
SIL (Site Specific)  
Regional Facilities  
NAVFAC Fire Protection  
PWO/PWC/PWD  
Curt Kronberg - PMO

## Hawaii

Jim Sclabassi - RIL  
Mark Savage - RDM  
Mark Savage - RTM  
Construction Manager  
Mark Bell - IPM  
ROICC (Site Specific)  
SIL (Site Specific)  
Regional Facilities  
NAVFAC Fire Protection  
PWO/PWC/PWD  
Ken Reynolds-PMO

## Southwest

LCDR Rob Blanchard - RIL  
Brian Hammond - RDM  
James McCann - RTM  
Construction Manager  
Bob Hearn - IPM  
ROICC (Site Specific)  
SIL (Site Specific)  
Regional Facilities  
NAVFAC Fire Protection  
PWO/PWC/PWD  
Curt Kronberg-PMO  
Ken Reynolds-PMO

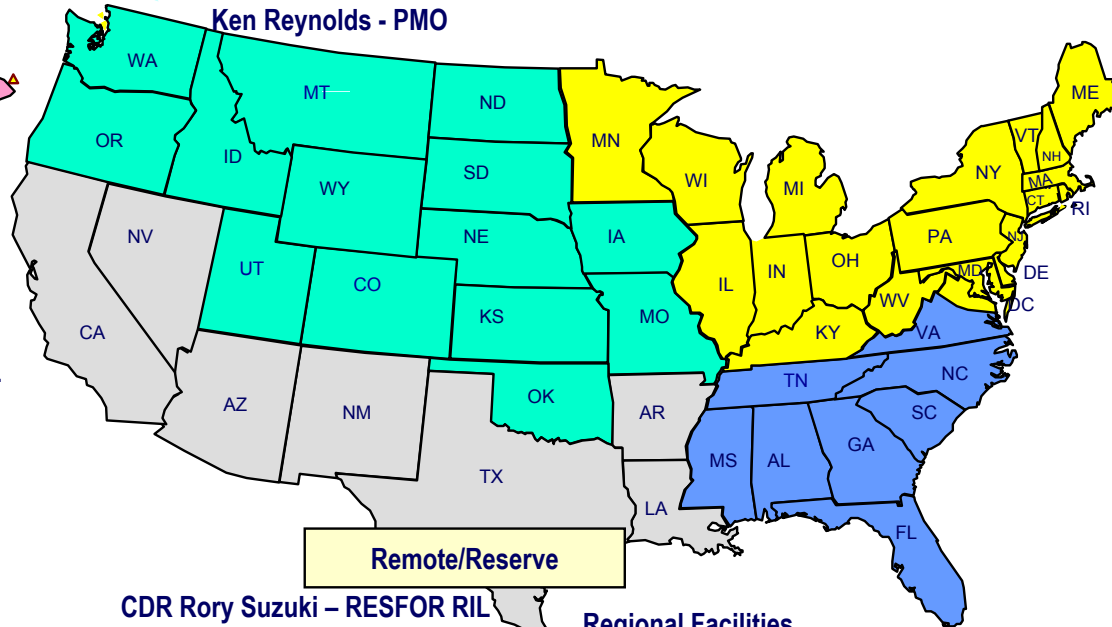
## Remote/Reserve

CDR Rory Suzuki - RESFOR RIL  
Rex Barfus - Remote Site TM  
Construction Manager  
John Vertel - IPM  
ROICC (Site Specific)  
SIL (Site Specific)

Regional Facilities  
NAVFAC Fire Protection  
PWO/PWC/PWD  
Ken Reynolds - PMO  
Curt Kronberg - PMO

## Southeast

CDR Keith Archbold - RIL  
Nancy Beard - RDM  
John Williams - RTM  
Construction Manager  
Fred Groenert - IPM  
ROICC (Site Specific)  
SIL (Site Specific)  
Regional Facilities  
NAVFAC Fire Protection  
PWO/PWC/PWD  
Ken Reynolds - PMO



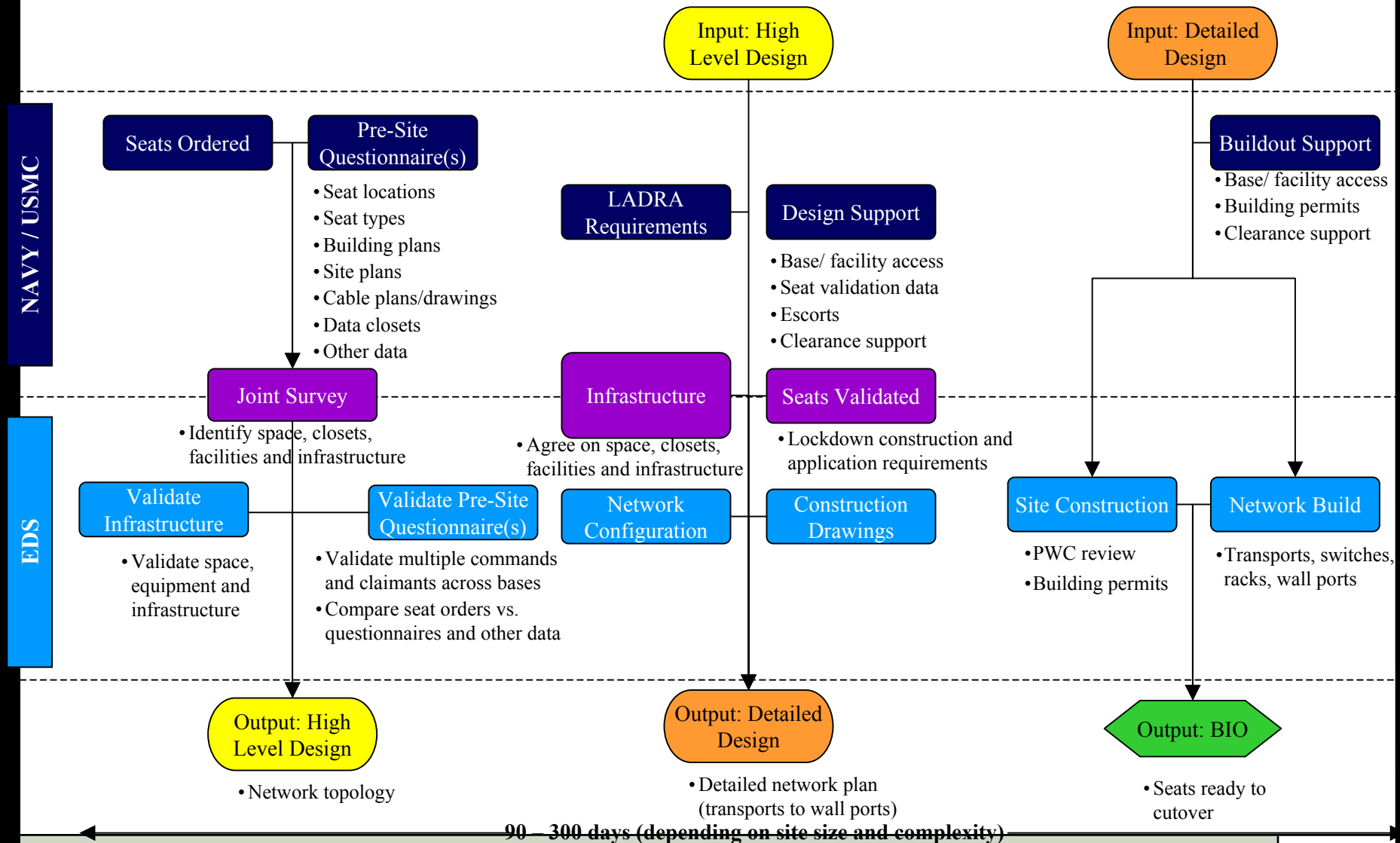
# MILCON (incl MCON) GUIDANCE

## ❑ MILCON Projects for New Buildings

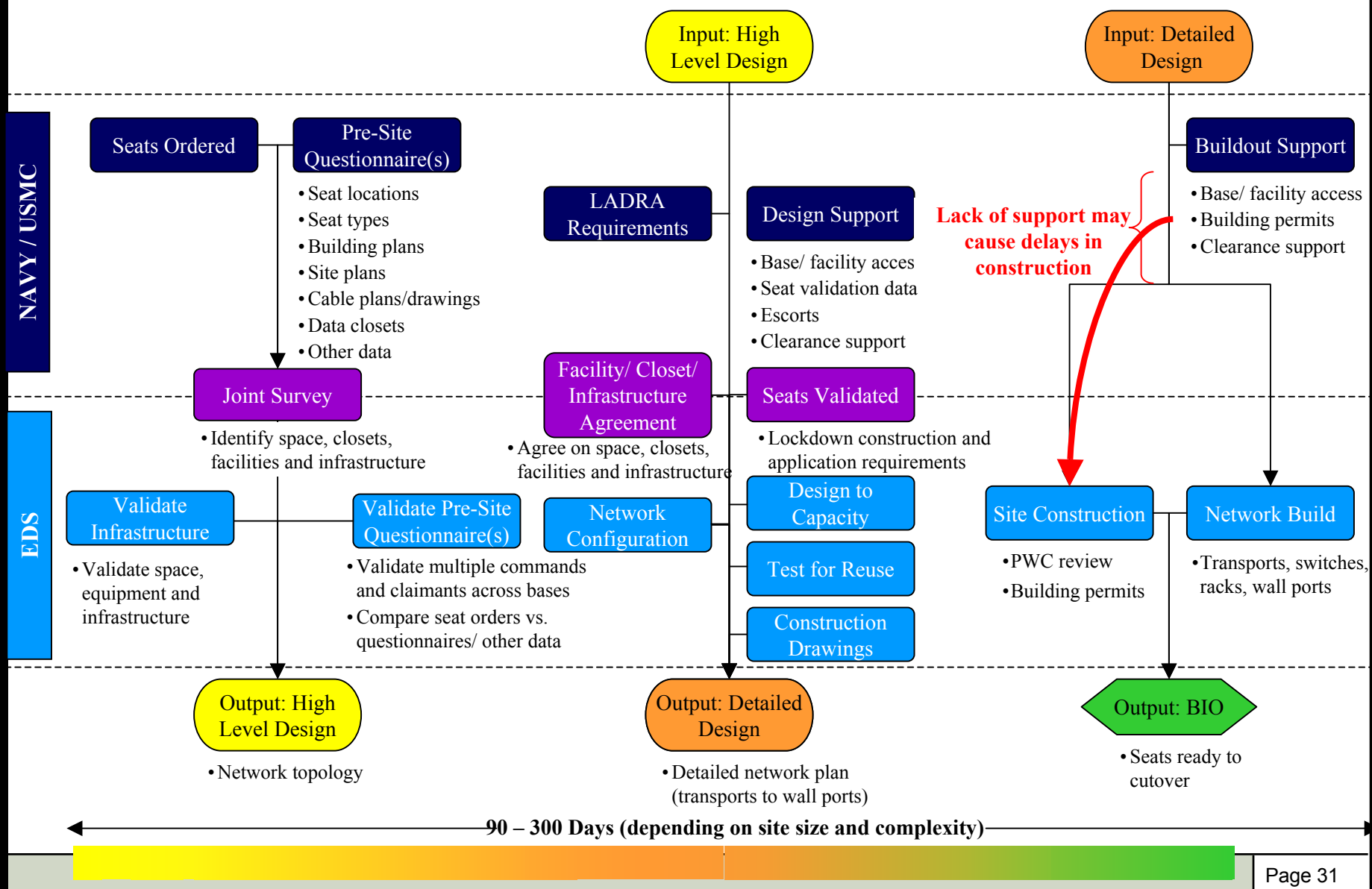
- MILCON Guidance Issued by NAVFAC HQ and on Southwest Div website
- Contract Issues:
  - Contract Mod P00062 has details of conditions and costs
  - Need to negotiate CLIN/s, if applicable, for individual MILCON projects
- Construction Criteria:
  - Draft Unified Facilities Criteria (UFC) 3-580-10 “NMCI Standard Construction Practices”: being used for constructing MILCON projects to make them NMCI compliant
  - Some MILCON projects didn’t have UFC in planning stage and will need to be modified
- Coordination:
  - EDS, WAM!NET and/or GD need to provide consultation to NAVFAC offices doing MILCON projects to assist in making buildings ready for NMCI and to plan/schedule for cutover at building completion

# EDS Facilities Team Briefs

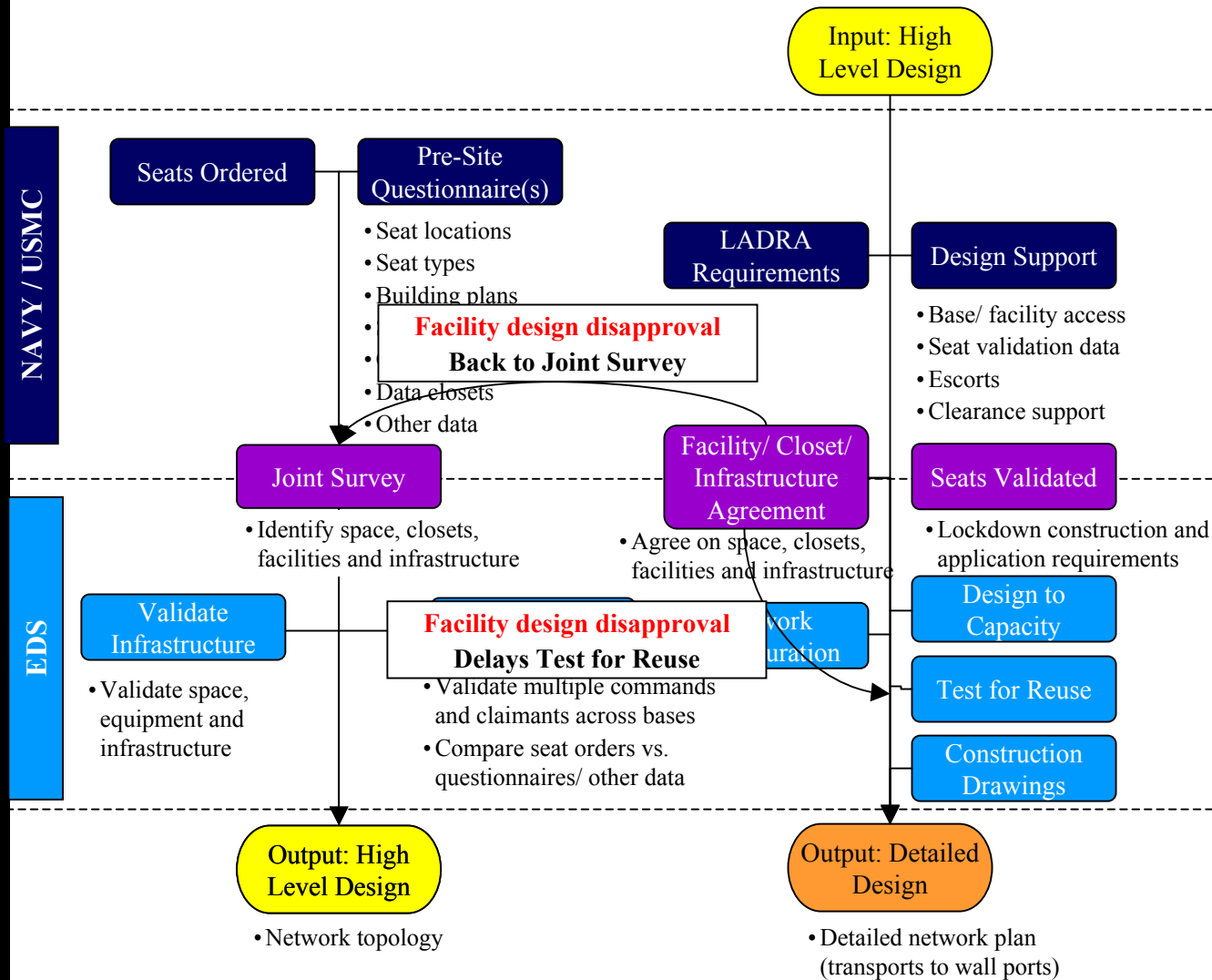
# Infrastructure Buildout Process—Idealized



# Infrastructure Buildout Process— Buildout Support Critical

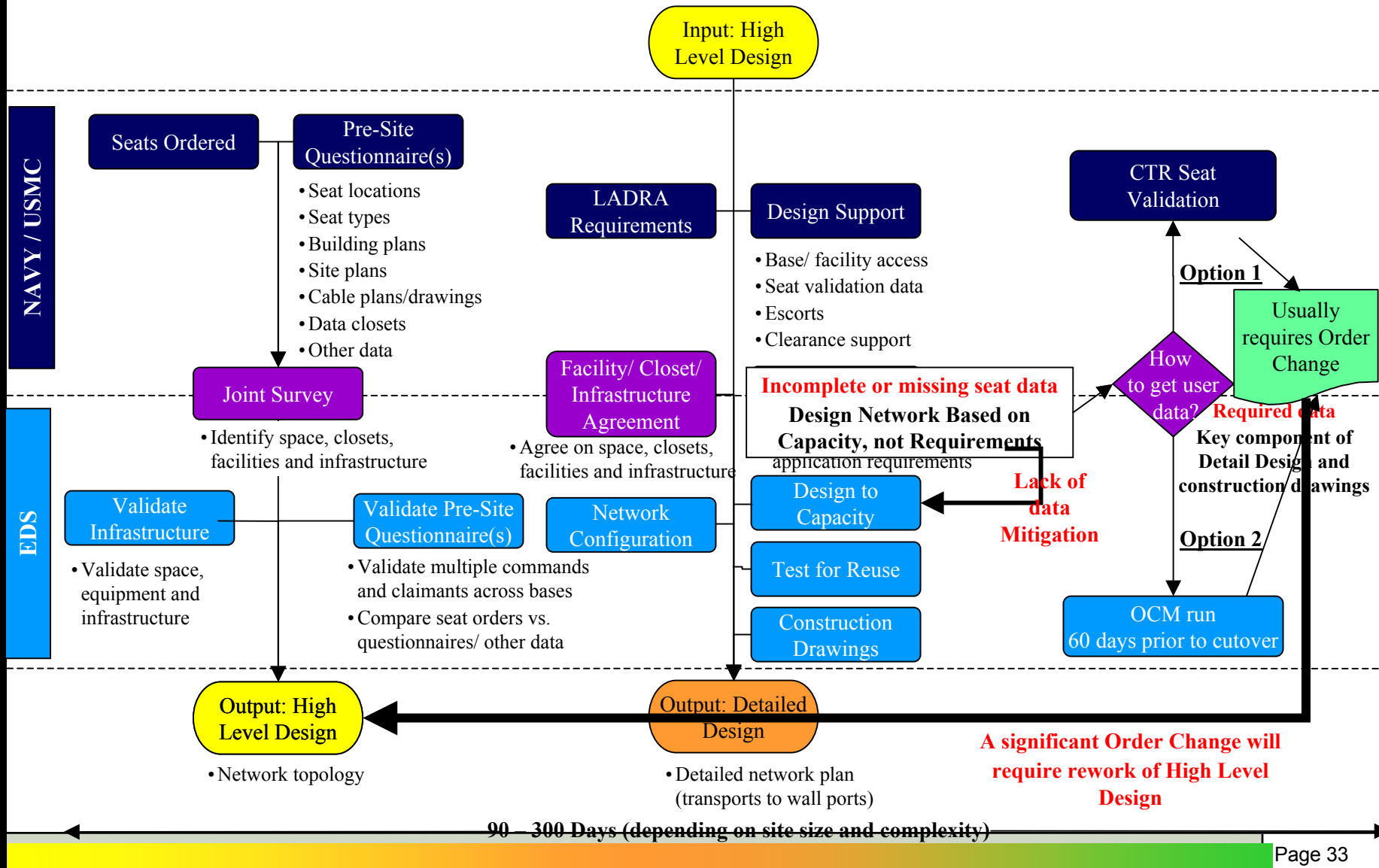


# Infrastructure Buildout Process with Design Rework/ Reuse Issues





# Infrastructure Buildout Process— Missing Seat Location Impact



- ☐ **Jones Lang LaSalle (JLL)—Program Management responsibility for BAN/LAN facilities survey, design and construction**
- ☐ **General Dynamics Corporation—ISP and OSP survey, design and construction**
- ☐ **WAM!NET—Base Infrastructure Installation (BII) Services, encompassing former NCE function; BAN/LAN network design**
- ☐ **Trammell Crow Company (TCC) —Facilities Repair and Maintenance**

# NMCI Facilities Team POCs



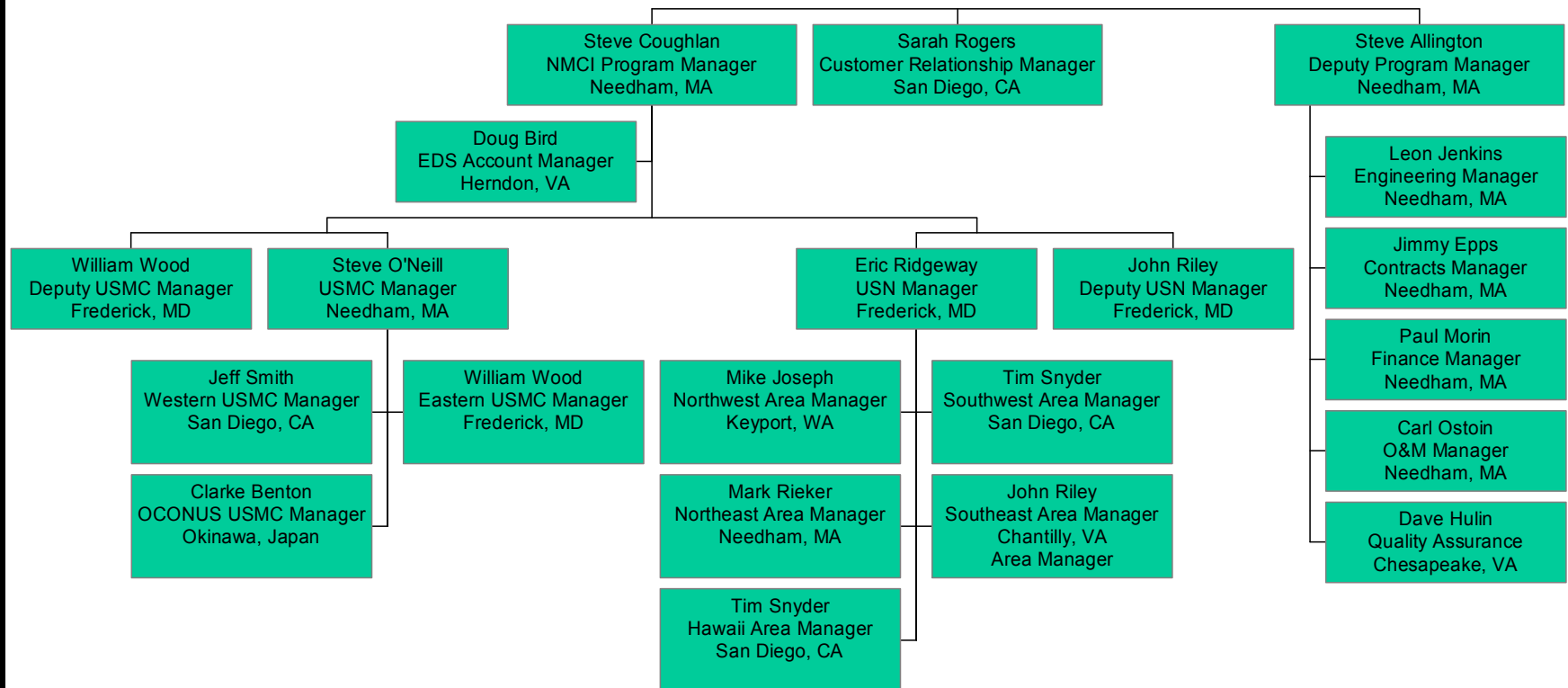
NAME	TITLE	OFFICE	MOBILE	E-MAIL
Sandy Ylinen	NMCI Facilities Program Manager	703-736-8654	703-585-9392	sandra.ylinen@eds.com
Paul Michaux	Corporate Real Estate Executive Oversight	248-265-6197	703-585-9392	paul.michaux@eds.com
John Poindexter	Server Farm Construction Manager, West Coast and OCONUS	972-605-0091		John.poindexter@eds.com
Charles Warner	Server Farm Construction Manager, East Coast	972-605-5320		charles.warner@eds.com
Harold Lutz	GFF/ Space Allocation, East Coast and Remote Sites	703-742-1939	571-238-9895	harold.lutz@eds.com
George Martin (EPS)	GFF/ Space Allocation, West Coast		415.269.4819	george.martin@epscorp.com
Eric Baker (EPS)	Logistics/NCE Liaison, East Coast	443-545-3465, ext. 275	443-812-0945	eric.baker@epscorp.com
Jim Kear (EPS)	Logistics/NCE Liaison, West Coast			jim.kear@epscorp.com

# JLL Program Management Team



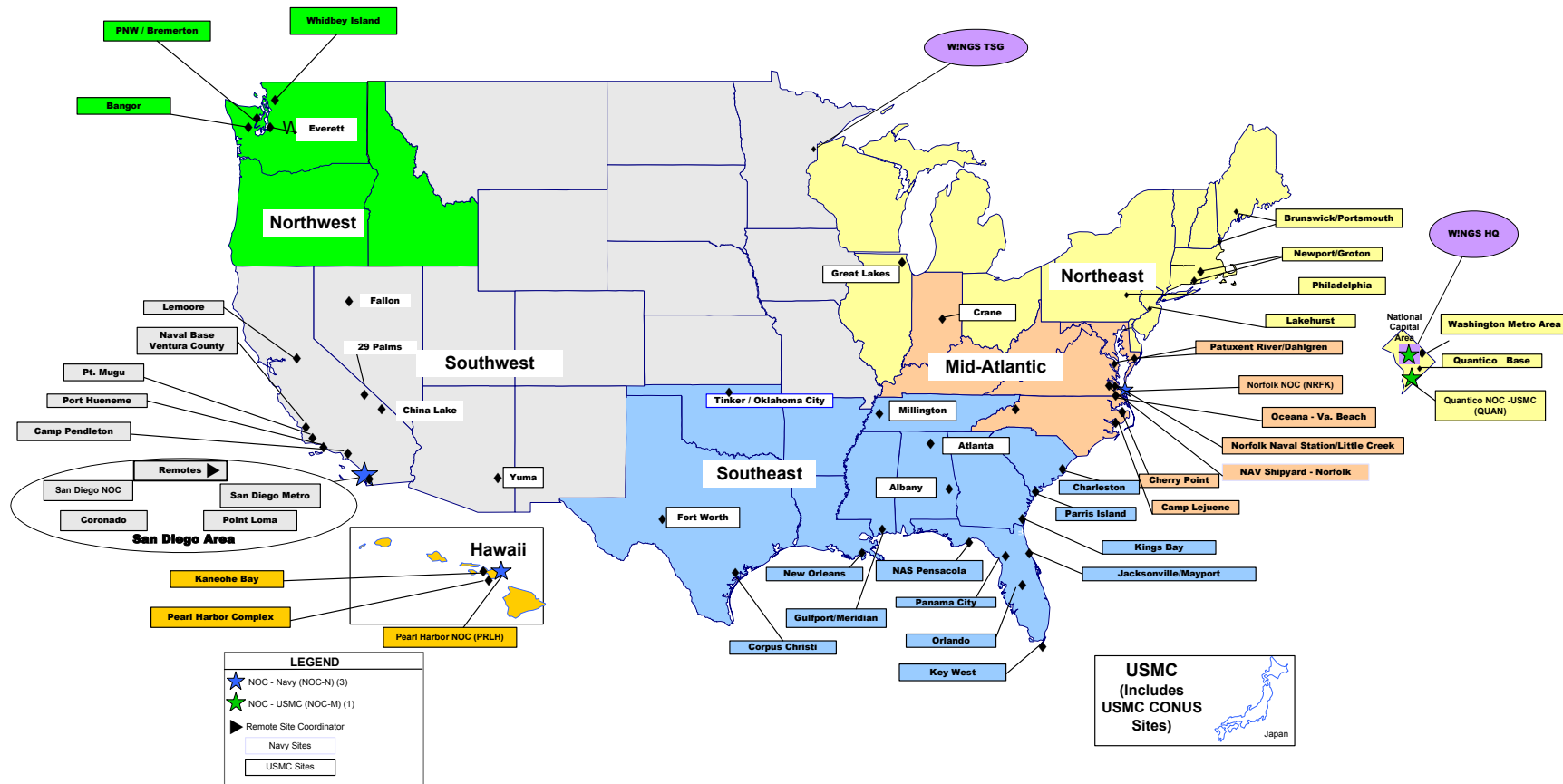
NAME	TITLE	OFFICE	MOBILE	E-MAIL
Lucianne Blakemore	Operations Director	214-890-6547	214-725-7072	lucianne.blakemore@am.joneslanglasalle.com
Scott Coldwell	OCONUS Region Director	214-890-6553	214-923-4632	scott.coldwell@am.joneslanglasalle.com
Kurt Cooper	Project Manager-Southwest		415.269.4819	kurt.cooper@am.joneslanglasalle.com
Robert Ellis	Project Manager-Northeast and NCR	215-988-5596	215-219-3658	robert.ellis@am.joneslanglasalle.com
Byron Edgmon	Account Director	214-890-6523	469-358-6487	byron.edgmon@am.joneslanglasalle.com
Sheldon Levin	Project Manager - Northwest		818-606-0828	sheldon.levin@am.joneslanglasalle.com
Josh Riley	Project Manager - Tidewater Area		678-362-4935	josh.riley@am.joneslanglasalle.com
Luis Ruiz	Project Manager - Southeast	404-995-2111	404-216-0819	luis.ruiz@am.joneslanglasalle.com
George Stringer	Procurement Manager	513-336-9199	513-378-8895	george.stringer@am.joneslanglasalle.com
Brent Styles	East Region Director	312-228-2944	773-490-2131	brent.styles@am.joneslanglasalle.com
Kevin Spurlock	Project Director @ EDS Herndon	703-742-2985	703-989-4145	kevin.spurlock@am.joneslanglasalle.com

# General Dynamics Network Systems— NMCI Team



# WAM!NET Regional Contacts

## WAM!NET Government Services NMCI Locations



WINGS Locations  
October 2, 2003  
Cheryl Shalap

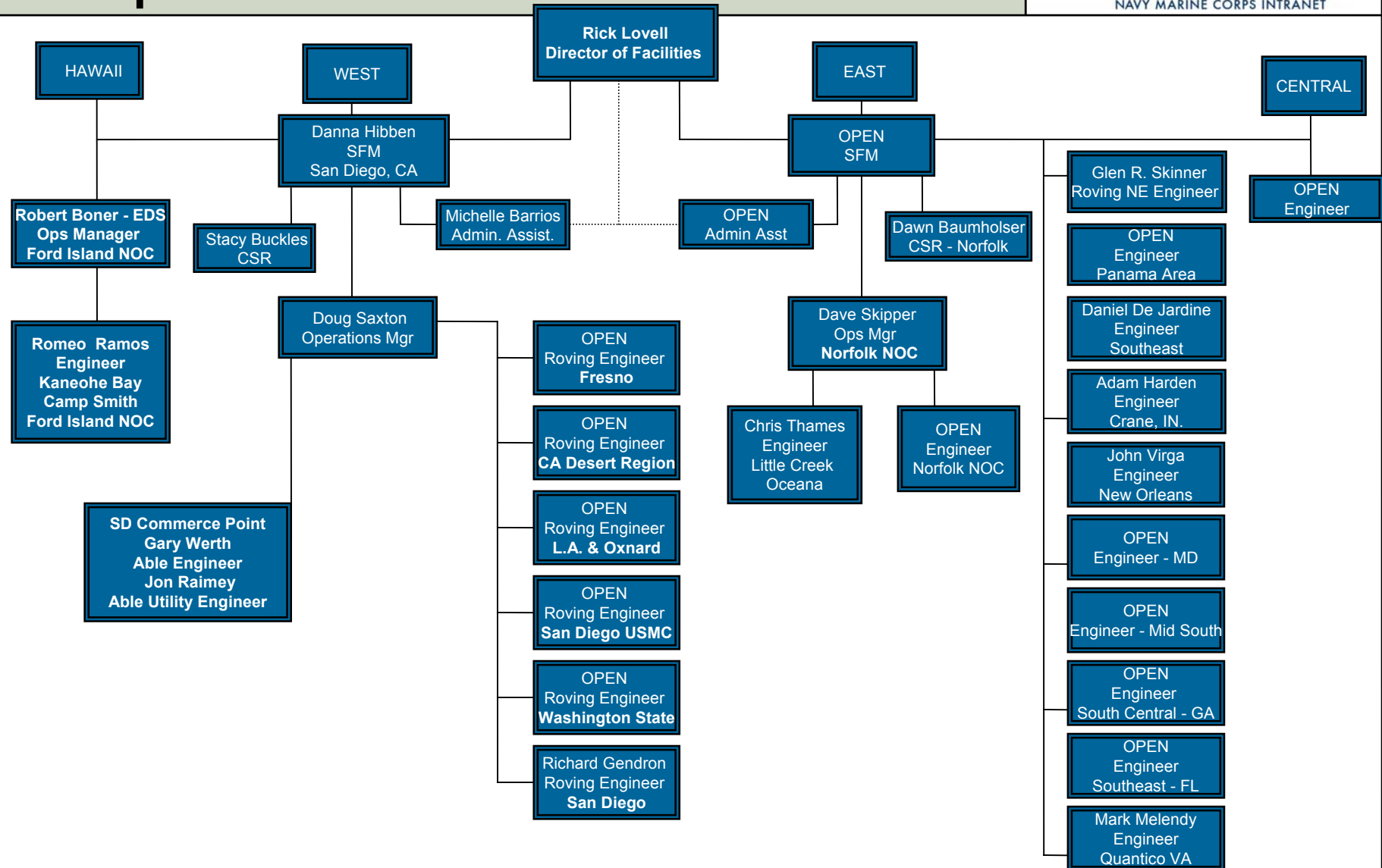
# Base Infrastructure Installation (BII) Services Key POCs



## WAM!NET Government Services

Title	Name	OfficePhone	Mobile	Email
<b>Deputy PM</b>	Heisig, Al	703.736.4111	703.623.0554	aheisig@wamnetgov.com
<b>Director Lant Ops</b>	Kordalski, Ski	703.736.4129	703.615.0018	rkordalski@wamnetgov.com
Mid Atlantic Regional Mgr	Webb,Quinit	757.858.4622	757.630.9078	qwebb@wamnetgov.com
Southeast Regional Mgr	Groenert, Fred	904.272.0340	904.874.7159	fgroenert@wamnetgov.com
Northeast Regional Mgr	Lutero, Dennis	703.480.2629	540.222.8640	dlutero@wamnetgov.com
<b>Director PAC Ops</b> (also BII Scvcs Coord)	Reitz, Steve	619. 817.3908	619.540.9724	sreitz@wamnetgov.com
National Remote Mgr	Vertel, John	619.817.3748	619.709.5465	jvertel@wamnetgov.com
Northwest Regional Mgr	Billingsley, Mike	-----	310.614.6330	mbillingsley@wamnetgov.com
OCONUS Regional Mgr	Bell, Mark	808.356.6024	808.561.0153	mbell@wamnetgov.com
Southwest Regional Mgr	Hearn, Bob	619.817.4055	619.806.431	rhearn@wamnetgov.com
<b>USMC Program Manager</b>	Moline, Cico	703.456.2421	703.587.6317	rmoline@wamnetgov.com

# Trammell Crow Company Enterprise Maintenance





# Government Facilities Issues

## ☐ **Navy Annex Server Farm**

- Construction ongoing
- No offer/acceptance of space

## ☐ **Okinawa Server Farms**

- Limited space available
- Architecture not defined
- Need information ASAP to identify/prepare buildings

## ☐ **Server Farm Space Identification Process**

- Generally follow Navy procedures
- Correspondence to USMC vice Navy

- ☐ **Need for an MOA with Department of the Army**
- ☐ **Need for an MOA with Department of the Air Force**
- ☐ **Gene Toni (NMCI Contracts) & CDR Rory Suzuki (Navy PMO) Coordinating MOAs**

## ☐ U.S. Army

- Meeting w/ Army Chief of Staff G6-CIO Thursday (18 Dec) a.m.
  - Review USA technical requirements
  - Provide NMCI requirements
  - Scope of MOA/U (one MOA/U to cover all sites or one at Echelon I providing guidance to subordinate commanders)

## ☐ U.S. Air Force

- Met with USAF in November
  - Laid ground work for purpose of MOA/U
- Next meeting week of 15 Dec 03 w/ Air Force Communications Agency (AFCA) staff
  - AFCA shall dictate terms of MOA/U
  - Review USAF technical requirements
  - USAF stated scope of CSAF-CIO MOA/U shall provide guidance to subordinate commanders
    - ✓ Lower echelon commanders shall form local MOA/Us w/ Navy/USMC/EDS

## ☐ Regional Integration Lead

- Commander Rory N. Suzuki, USNR
- 612 308 8631
- [suzukiro@cnrf.navy.mil](mailto:suzukiro@cnrf.navy.mil)
- [rory.suzuki@navy.mil](mailto:rory.suzuki@navy.mil)



# EDS Facilities Issues

- ❑ At NAB Coronado and NS Everett, batteries exploded, damaging the UPS and other NMCI equipment at these locations**
- ❑ Enersys batteries at 36 locations could explode under the right mix of conditions**
  - Liebert has completed the replacement of all batteries at 21 of these locations
  - Battery replacement at the remaining sites will be completed by the end of the year or as soon as the site is ready for the swap



## ☐ **Cabinet location is critical**

- Changes after design is complete causes significant delay.

## ☐ **Abatement**

- Buildings designed to avoid abatement issues.

## ☐ **Dig permit process varies by location**

## ☐ **Cable locates/toning requirements vary by location**

## ☐ **Validation of building design**

- Cores must avoid existing building infrastructure. Accurate designs are not always available.

## ☐ **Classified buildout process**

- Inconsistent requirements from site to site

- ☐ **Other Issues**
- ☐ **Summary of Action Items**
- ☐ **Follow-up Correspondence**

## ❑ Navy PMO POCs

- Curt Kronberg, [curt.kronberg@navy.mil](mailto:curt.kronberg@navy.mil), 619-532-1182
- Ken Reynolds, [kenneth.e.reynolds@navy.mil](mailto:kenneth.e.reynolds@navy.mil), 619-532-2815
- Matt Morrison, [matt.morrison@navy.mil](mailto:matt.morrison@navy.mil); 858-537-8548

## ❑ USMC Facilities POCs

- Roy Hollis, [hollisra@svtcsle.com](mailto:hollisra@svtcsle.com), 540-657-0357 x340

## ❑ EDS Facilities POCs

- Sandy Ylinen, [sandra.ylinen@eds.com](mailto:sandra.ylinen@eds.com), 703-585-9392